

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of the existing traffic control signal at the intersection of MD 4 and Ward Road in Calvert County, Maryland. MD 4 is considered to run in a north/south direction.

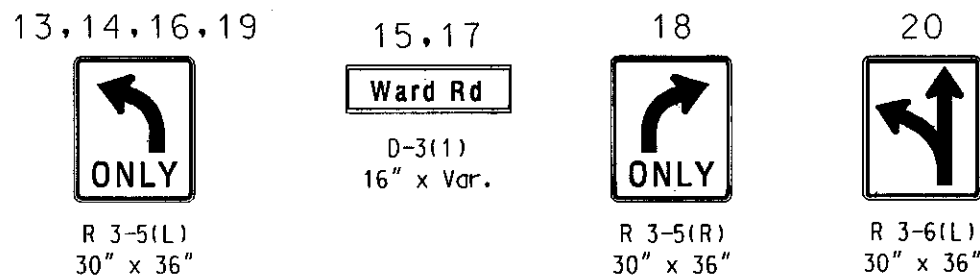
II. INTERSECTION OPERATION

The intersection is to continue operating in a NEMA six (6) phase, full-traffic-actuated mode. There is exclusive/permissive left turn phase for both the north and southbound movements of MD 4. The MD 4 through movements operate concurrently. The Ward Road through movements operate as side street split operation.

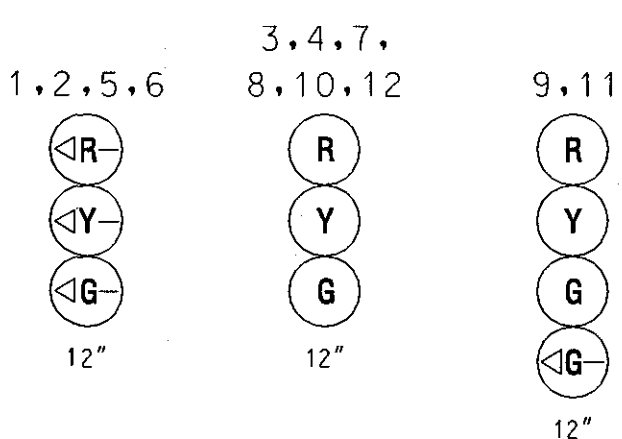
The fire house traffic signal equipment located at the intersection will be removed.

Existing cabinet/controller will be utilized at this intersection.

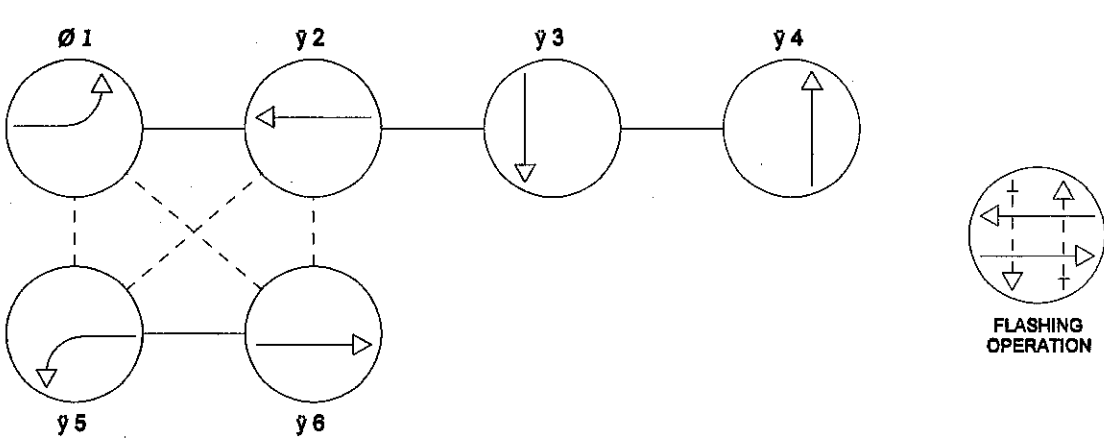
EXISTING SIGNS



EXISTING SIGNALS



EXISTING NEMA PHASING



CONSTRUCTION DETAILS

- Remove existing mast arm pole and all attached traffic signal equipment.
- Remove existing handhole.
- Cap and abandon existing conduit.
- Remove existing pavement marking by grinding. Install black-out pavement marking.
- Contractor to coordinate with power company to disconnect existing electrical service.

EXISTING OPTICOM

DETECTOR

21

←

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor.  
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
Lump Sum	LS	---	Removal of existing traffic signal equipment.
100	LF	---	Removal of existing pavement marking by grinding.
100	LF	---	3-M Black-out pavement marking tape.

C. SHA forces shall remove the controller and all auxiliary equipment from the controller cabinet.  
The cabinet and all other materials to be removed by the contractor shall become the property of the contractor.

Quantity	Units	Description
3	EA	Mast arm pole and mast arms.
8	EA	12 in. 3-section traffic signal head.
2	EA	12 in. 1-section traffic signal head.
5	EA	Mast arm and pole sign
2	EA	Pole Mounted cabinet.

GEOMETRIC LEGEND

--- EXISTING GEOMETRICS  
--- PROPOSED GEOMETRICS

UTILITY LEGEND

G --- GAS MAIN  
W --- WATER MAIN  
S --- SEWER MAIN  
E --- ELECTRIC CABLES  
D --- STORM DRAIN  
A --- AERIAL CABLES  
T --- TELEPHONE CABLES



REVISIONS

NO.	DATE	DESCRIPTION
1	January 23, 2003	Remove fire house traffic signal equipment due to relocation of firehouse
2	March 12, 1992	Install opticom pre-emption for relocated firehouse exit.

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	DIRECTOR, TRAFFIC & SAFETY



Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
(Traffic Signal Plan)  
MD 4 and Ward Road

DRAWN BY: J. Dirndorfer  
CHECKED BY: J. Dirndorfer  
SCALE: 1" = 20'  
DATE: March 12, 1992

F.A.P. NO. N/A  
S.H.A. NO. BW-467-802-512  
COUNTY: Calvert  
LOG MILE: 04000433.23

TS NO. 31718  
T.J.M.S. NO. 2999

SHEET NO. 1 OF 1

FILES ROUTES